



Recherche Santé Environnement Intérieur

Veille scientifique sur le thème *Santé Environnement intérieur*

2001 – 3^{ème} et 4^{ème} trimestres

108 articles ont été répertoriés pendant la période du 1^{er} juillet au 10 décembre 2001.

Les articles sont classés selon les chapitres suivants :

I- SUBSTANCES

- I-1. Gaz inorganiques (radon, O₃, NO_x, CO)
- I-2. COV et CO-Semi-Volatils
- I-3. Particules
- I-4. Biocontaminants
- I-5. Pesticides / biocides
- I-6. Métaux
- I-7. Fumée de tabac environnementale

II- LIEUX DE VIE

- II-1. Habitat privé
- II-2. Transports
- II-3. Autres lieux de vie : écoles, bureaux, espaces de loisirs, lieux publics
- II-4. Ventilation
- II-5. Modélisation
- II-6. Relations air intérieur - air extérieur

III- EFFETS SANITAIRES

- III-1. Effets chez l'animal
- III-2. Effets chez l'homme
- III-3. Populations sensibles

IV- EVALUATION DES RISQUES

- IV-1. Expologie : mesure de l'exposition et ses outils (indicateurs biologiques, budgets espace-temps)
- IV-2. Evaluation des risques

V- GESTION / REMEDIATION

VI- ARTICLES GENERAUX SUR LA THEMATIQUE

Chaque article, à l'exception des articles de synthèse qui sont compilés en fin de document, n'apparaissent que dans un seul chapitre. Le lecteur est dès lors invité à compléter sa consultation d'un chapitre particulier par une recherche par mot-clé.

Le lecteur est invité à se reporter à la note relative à la veille scientifique pour la liste des revues et bases de recherche bibliographique consultées dans le cadre de la veille scientifique menée par le réseau RSEIN.



I- SUBSTANCES

I-1. Gaz inorganiques

- RADON

1. **Author:** Keskikuru T., Kokotti H., Lammi S., Kalliokoski P.

Title: Effect of various factors on the rate of radon entry into two different types of houses

Journal: Building and Environment, 36(10), 1091 – 1098

2. **Author:** Marley F.

Title: Investigation of the influences of atmospheric conditions on the variability of radon and radon progeny in buildings

Journal: Atmospheric Environment, 35(31), 5347 – 5360

3. **Author:** Yu K.N., Lau B.M., Guan Z.J., Lo T.Y., Young E.C.

Title: Bronchial Rn dose survey for residences

Journal: Journal of Environmental Radioactivity, 54(2), 221 – 229

- OZONE

4. **Author:** Kleno J.G., Clausen P.A., Weschler C.J., Wolkoff P.

Title: Determination of Ozone Removal Rates by Selected Building Products Using the FLEC Emission Cell

Journal: Environmental Science and Technology, 35(12), 2548 – 2553

- NO_x

5. **Author:** Spicer C.W., Billick I.H., Yanagisawa Y.

Title: Nitrous Acid Interference with Passive NO₂ Measurement Methods and the Impact on Indoor NO₂ Data

Journal: Indoor Air, 11(3), 156 – 161

- MELANGES

6. **Author:** Wilkins C.K., Clausen P.A., Wolkoff P., Larsen S.T., Hammer M., Larsen K., Hansen V., Nielsen G.D.

Title: Formation of strong airway irritants in mixtures of isoprene/ozone and isoprene/ozone/nitrogen dioxide

Journal: Environmental Health Perspectives, 109(9), 937 – 941

I-2. COV et CO Semi-Volatils

7. **Author:** Chao C.Y., Chan G.Y.

Title: Quantification of indoor VOCs in twenty mechanically ventilated buildings in Hong Kong

Journal: Atmospheric Environment, 35(34), 5895 – 5913

8. **Author:** Clausen P.A., Wilkins C.K., Wolkoff P., Nielsen D.D.

Title: Chemical and biological evaluation of a reaction mixture of R-(+)-limonene/ozone; Formation of strong airway irritants

Journal: Environment International, 26(7-8), 511 – 522

9. **Author:** Cox S.S., Zhao D., Little J.C.

Title: Measuring partition and diffusion coefficients for volatile organic compounds in vinyl flooring

Journal: Atmospheric Environment, 51(8), 1195 – 1201

10. **Author:** Grall A.J., Zellers E.T., Sacks R.D.

Title: High-Speed Analysis of Complex Indoor VOC Mixtures by Vacuum-Outlet GC with Air Carrier Gas and Programmable Retention

Journal: Environmental Science and Technology, 35, 163 – 169

11. **Author:** Hyttinen M., Pasanen P., Kalliokoski P.
Title: Adsorption and desorption of selected VOCs in dust collected on air filters
Journal: Atmospheric Environment, 35(33) 5709 – 5716
12. **Author:** Ingerowski G., Friedle A., Thumulla J.
Title: Chlorinated Ethyl and Isopropyl Phosphoric Acid Triesters in the Indoor Environment – An Inter-Laboratory Exposure Study
Journal: Indoor Air, 11(3), 145 – 149
13. **Author:** Otake T., Yoshinaga J., Yanagisawa Y.
Title: Analysis of organic esters of plasticizer in indoor air by GC-MS and GC-FPD
Journal: Environmental Science and Technology, 35(15), 3099 – 3102
14. **Author:** Pandit G. G., Srivastava P. K., Mohan Rao A.M.
Title: Monitoring of indoor volatile organic compounds and polycyclic aromatic hydrocarbons arising from kerosene cooking fuel
Journal: The Science of the Total Environment, 279(1-3), 159 – 163
15. **Author:** Shaughnessy R.J., McDaniels T.J., Weschler C.J.
Title: Indoor Chemistry: Ozone and Volatile Organic Compounds Found in Tobacco Smoke
Journal: Environmental Science and Technology, 35(13), 2758 – 2764
16. **Author:** Uhde E., Bednarek M., Fuhrmann F., Salthammer T.
Title: Phthalic Esters in the Indoor Environment – Test Chamber Studies on PVC-Coated Wallcoverings
Journal: Indoor Air, 11(3), 150 – 155
17. **Author:** Wiglusz R., Sitko E., Nickel G., Jarnuszkiewicz I., Igielska B.
Title: The effect of temperature on the emission of formaldehyde and volatile organic compounds (VOCs) from laminate flooring - case study
Journal: Building and Environment, 37(1), 41 – 44
18. **Author:** Won D., Corsi R.L., Rynes M.
Title: Sorptive Interactions between VOCs and Indoor Materials
Journal: Indoor Air, 11(4), 246 – 256
19. **Author:** Zhu J., Cao X.-L., Beauchamp R.
Title: Determination of 2-butoxyethanol emissions from selected consumer products and its application in assessment of inhalation exposure associated with cleaning tasks
Journal: Environment International, 26(7-8), 589 – 597

ARTICLE DE SYNTHÈSE

20. **Author:** Wolkoff P., Nielsen G.D.
Title: Organic compounds in indoor air - their relevance for perceived indoor air quality?
Journal: Atmospheric Environment, 35(26), 4407 – 4417

I-3. Particules

21. **Author:** Abadie M., Limam K., Allard F.
Title: Indoor particle pollution : effect of wall textures on particle deposition
Journal: Building and Environment, 36(7), 821 – 827

I-4. Biocontaminants

22. **Author:** Chew G.L., Douwes J., Doekes G., Higgins K.M., van Strien R., Spithoven J., Brunekreef B.
Title: Fungal Extracellular Polysaccharides, β (1-3)-Glucans and Culturable Fungi in Repeated Sampling of House Dust
Journal: Indoor Air, 11(3), 171 – 178
23. **Author:** Górný R.L., Reponen T., Grinshpun S.A., Willeke K.
Title: Source strength of fungal spore aerosolization from moldy building material
Journal: Atmospheric Environment, 35(28), 4852 – 4863

24. **Author:** Hyvärinen A, Reponen T, Husman T, Nevalainen A.
Title: Comparison of the indoor air quality in mould damaged and reference buildings in a subarctic climate
Journal: Cent Eur J Public Health, 9(3), 133 –139
25. **Author:** Mansour M., Lanphear B.P., Hornung R., Khoury J., Bernstein D.I., Menrath W., Decolongon J.
Title: A Side-by-Side Comparison of Sampling Methods for Settled, Indoor Allergens
Journal: Environmental Research, 87(1), 37 – 46
26. **Author:** Menetrez M.Y., Foarde K.K., Ensor D.S.
Title: An analytical method for the measurement of nonviable bioaerosols
Journal: Journal of the Air & Waste Management Association, 51(10), 1436 – 1442
27. **Author:** Montoya L.D., Hildemann L.M.
Title: Evolution of the mass distribution of resuspended cat allergen (Fel d 1) indoors following a disturbance
Journal: Atmospheric Environment, 35(5), 859 – 866
28. **Author:** Park J.H., Spiegelman D.L., Gold D.R., Burge H.A., Milton D.K.
Title: Predictors of airborne endotoxin in the home
Journal: Environmental Health Perspectives, 109(8), 859 – 864
29. **Author:** Peltola J., Andersson M.A., Haahtela T., Mussalo-Rauhamaa H., Rainey F.A., Kroppenstedt R.M., Samson R.A., Salkinoja-Salonen M.S.
Title: Toxic-metabolite-producing bacteria and fungus in an indoor environment
Journal: Applied and Environmental Microbiology, 67(7), 3269 – 3274
30. **Author:** Roe J.D., Haugland R.A., Vesper S.J., Wymer L.J.
Title: Quantification of *Stachybotrys chartarum* conidia in indoor dust using real time, fluorescent probe-based detection of PCR products
Journal: Journal of Exposure Analysis and Environmental Epidemiology, 11(1), 12 – 20
31. **Author:** Vojta P.J., Randels S.P., Stout J., Muilenberg M., Burge H.A., Lynn H., Mitchell H., O' Connor G.T., Zeldin D.C.
Title: Effects of physical interventions on house dust mite allergen levels in carpet, bed, and upholstery dust in low-income, urban homes
Journal: Environmental Health Perspectives, 109(8), 815 – 819
32. **Author:** Jovanovic-S; Piechotowski-I; Gabrio-T; Weidner-U; Zollner-I; Schwenk-M
Title: Estimation of mould levels in households in South-West Germany
Journal: GESUNDHEITSWESEN, 63(6), 404 – 411
33. **Author:** Hyvarinen-A; Vahteristo-M; Meklin-T; Jantunen-M; Nevalainen-A; Moschandreas-D
Title: Temporal and spatial variation of fungal concentrations in indoor air
Journal: AEROSOL-SCIENCE-AND-TECHNOLOGY, 35(2), 688 – 695
34. **Author:** Arlian-LG; Neal-JS; Morgan-MS; Rapp-CM; Clobes-AL
Title: Distribution and removal of cat, dog and mite allergens on smooth surfaces in homes with and without pets
Journal: ANNALS-OF-ALLERGY-ASTHMA-AND-IMMUNOLOGY, 87(4), 296 – 302

I-5. Pesticides / biocides

Aucun article

I-6. Métaux

35. **Author:** Carpi A., Chen Y.-F.
Title: Gaseous Elemental Mercury as an Indoor Air Pollutant
Journal: Environmental Science and Technology, 35(21), 4170 – 4173

36. **Author:** Mielke H.W., Powell E.T., Shah A., Gonzales C.R., Mielke P.W.
Title: Multiple metal contamination from house paints: Consequences of power sanding and paint scraping in new orleans
Journal: Environmental Health Perspectives, 109(9), 973 – 978

37. **Author:** Singhvi R., Turpin R., Kalnicky J., Patel J.
Title: Comparison of field and laboratory methods for monitoring metallic mercury vapor in indoor air
Journal: Journal of Hazardous Materials, 83(1-2), 1 – 10

I-7. Fumée de tabac environnementale

38. **Author:** Jenkins R.A., Maskarinec M.P., Counts R.W., Caton J.E., Tomkins B.A., Ilgner R.H.
Title: Environmental tobacco smoke in an unrestricted smoking workplace: area and personal exposure monitoring
Journal: Journal of Exposure Analysis and Environmental Epidemiology, 11(5), 369 – 380

39. **Author:** Phillips K., Bentley M.C.
Title: Seasonal assessment of environmental tobacco smoke and respirable suspended particle exposures for nonsmokers in Bremen using personal monitoring
Journal: Environment International, 27(1), 69 – 85

40. **Author:** Douce-DS; Clench-MR; Frost-B
Title: Variations in the estimation of the contribution of environmental tobacco smoke (ETS) to respirable ($\leq 5 \mu m$) indoor air particulates obtained by the use of different analytical methods
Journal: JOURNAL-OF-ENVIRONMENTAL-MONITORING, 3(3), 295 – 301



II- LIEUX DE VIE

II-1. Habitat privé

41. **Author:** Gereda J.E., Klinnert M.D., Price M.R., Leung D.Y., Liu A.H.
Title: Metropolitan home living conditions associated with indoor endotoxin levels
Journal: Journal of Allergy and Clinical Immunology, 107(5), 790 – 796

- APPAREIL DE CUISSON

42. **Author:** Dennekamp M., Howarth S., Dick C.A.J., Cherrie J.W., Donaldson K., Seaton A.
Title: Ultrafine particles and nitrogen oxides generated by gas and electric cooking
Journal: Occupational and Environmental Medicine, 58(8), 511 –516

II-2. Transports

43. **Author:** Adams H. S., Nieuwenhuijsen M. J., Colvile R.N.
Title: Determinants of fine particle (PM2.5) personal exposure levels in transport microenvironments
Journal: Atmospheric Environment, 35(27), 4557 – 4566

44. **Author:** Adams H. S., Nieuwenhuijsen M. J., Colvile R. N., McMullen M. A. S., Khandelwal P.
Title: Fine particle (PM2.5) personal exposure levels in transport microenvironments, London, UK
Journal: The Science of the Total Environment, 279(1-3), 29 – 44

45. **Author:** Nagda N.L., Hodgson M.
Title: Low Relative Humidity and Aircraft Cabin Air Quality
Journal: Indoor Air, 11(3), 200 – 214

II-3. Autres lieux de vie

- ECOLES

46. **Author:** Alm S., Mukala K., Tiittanen P., Jantunen M.J.
Title: Personal carbon monoxide exposures of preschool children in Helsinki, Finland-comparison to ambient air concentrations
Journal: Atmospheric Environment, 35(36), 6259 – 6266

47. **Author:** Janssen N.A.H., van Vliet P.H.N., Aarts F., Harssema H., Brunekreef B.
Title: Assessment of exposure to traffic related air pollution of children attending schools near motorways
Journal: Atmospheric Environment, 35(22), 3875 – 3884

48. **Author:** Kinshella M.R., Van Dyke M.V., Douglas K.E., Martyny J.W.
Title: Perceptions of Indoor Air Quality Associated with Ventilation System Types in Elementary Schools
Journal: Applied Occupational and Environmental Hygiene, 16(10), 952 – 960

- BUREAUX

49. **Author:** Reynolds S.J., Black D.W., Borin S.S., Breuer G., Burmeister L.F., Fuortes L.J., Smith T.F., Stein M.A., Subramanian P., Thorne P.S., Whitten P.
Title: Indoor Environmental Quality in Six Commercial Office Buildings in the Midwest United States
Journal: Applied Occupational and Environmental Hygiene, 16(11) 1065 – 1077

- MUSEES

50. **Author:** Camuffo D., Van Grieken R., Busse H.-J., Sturaro G., Valentino A., Bernardi A., Blades N., Shooter D., Gysels K., Deutsch F., Wieser M., Kim O., Ulrych U.
Title: Environmental monitoring in four European museums
Journal: Atmospheric Environment, 35 (Supp. 1), 127 – 140

51. **Author:** Yoon Y.H., Brimblecombe P.
Title: The Distribution of Soiling by Coarse Particulate Matter in the Museum Environment
Journal: Indoor Air, 11(4), 232 – 240

- **MAGASINS**

52. **Author:** Holmquist L., Weiner J., Vesterberg O.
Title: Airborne Birch and Grass Pollen Allergens in Street-Level Shops
Journal: Indoor Air, 11(4), 241 – 245

- **HOPITAUX**

53. **Author:** Smedbold H.T., Ahlen C., Norbäck D., Hilt B.
Title: Sign of Eye Irritation in Female Hospital Workers and the Indoor Environment
Journal: Indoor Air, 11(4), 223 – 231

II-4. Ventilation

54. **Author:** Ahmad I., Tansel B., Mitrani J.D.
Title: Effectiveness of HVAC duct cleaning procedures in improving indoor air quality
Journal: Environmental Monitoring and Assessment, 72(3), 265 – 276

55. **Author:** Blondeau P., Spérandio M., Allard F.
Title: Multicriteria analysis of ventilation in summer period
Journal: Building and Environment, 37(2), 165 – 176

56. **Author:** Chow W. K., Fung W. Y., Wong L.T.
Title: Preliminary studies on a new method for assessing ventilation in large spaces
Journal: Building and Environment, 37(2), 145 – 152

57. **Author:** Chung K.-C., Hsu S.-P.
Title: Effect of ventilation pattern on room air and contaminant distribution
Journal: Building and Environment, 36(9), 989 – 998

58. **Author:** Topp C., Nielsen P.V., Heiselberg P.
Title: Influence of Local Airflow on the Pollutant Emission from Indoor Building Surfaces
Journal: Indoor Air, 11(3), 162 – 170

59. **Author:** Xing H., Hatton A., Awbi H.B.
Title: A study of the air quality in the breathing zone in a room with displacement ventilation
Journal: Building and Environment, 36(7), 809 – 820

60. **Author:** Budaiwi-IM; Al-Homoud-MS
Title: Effect of ventilation strategies on air contaminant concentrations and energy consumption in buildings
Journal: INTERNATIONAL-JOURNAL-OF-ENERGY-RESEARCH, 25(12), 1073 – 1089

II-5. Modélisation

61. **Author:** Elkilani A., Bouhamra W., Crittenden B.D.
Title: An indoor air quality model that includes the sorption of VOCs on fabrics
Journal: Trans IchemE, 79(B4), 233 – 243

62. **Author:** Haghghat F., Li Y., Megri A.C.
Title: Development and validation of a zonal model - POMA
Journal: Building and Environment, 36(9), 1039 – 1047

63. **Author:** Hayashi M., Enai M., Hirokawa Y.
Title: Annual characteristics of ventilation and indoor air quality in detached houses using a simulation method with Japanese daily schedule model
Journal: Building and Environment, 36(6), 221 – 231

64. **Author:** Hyun S., Kleinstreuer C.
Title: Numerical simulation of mixed convection heat and mass transfer in a human inhalation test chamber
Journal: International Journal of Heat and Mass Transfer, 44(12), 2247 – 2260
65. **Author:** Olson D.A., Corsi R.L.
Title: Characterizing exposure to chemicals from soil vapor intrusion using a two-compartment model
Journal: Atmospheric Environment, 35(24), 4201 – 4209
66. **Author:** Plathner P., Woloszyn M.
Title: Interzonal air and moisture transport in a test house: experiment and modelling
Journal: Building and Environment, 37(2), 189 – 199
67. **Author:** Won D., Sander D.M., Shaw C. Y., Corsi R.L.
Title: Validation of the surface sink model for sorptive interactions between VOCs and indoor materials
Journal: Atmospheric Environment, 35(26), 4479 – 4488
68. **Author:** Yang C., Chen Q.
Title: A Coupled Airflow and Source/Sink Model for Simulating Indoor VOC Exposures
Journal: Indoor Air, 11(4), 257 – 269
69. **Author:** Yang X., Chen Q., Zhang J. S., Magee R., Zeng J., Shaw C. Y.
Title: Numerical simulation of VOC emissions from dry materials
Journal: Building and Environment, 36(10), 1099 – 1107
70. **Author:** Yang X., Chen Q., Zeng J., Zhang J. S., Shaw C. Y.
Title: Effects of Environmental and Test Conditions on VOC Emissions from “Wet” Coating Materials
Journal: Indoor Air, 11(4), 270 – 278
71. **Author:** Su-MD; Chen-QY; Chiang-CM
Title: Comparison of different subgrid-scale models of large eddy simulation for indoor airflow modeling
Journal: JOURNAL-OF-FLUIDS-ENGINEERING-TRANSACTIONS-OF-THE-ASME, 123(3), 628 – 639
72. **Author:** Zhu J. P., Zhang J. S., Shaw C.Y.
Title: Comparison of models for describing measured VOC emissions from wood-based panels under dynamic chamber test condition
Journal: Chemosphere, 44(5), 1253 – 1257
- II-6. Relation air intérieur - air extérieur**
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73. **Author:** Edwards R.D., Jurvelin J., Koistinen K., Saarela K., Jantunen M.
Title: VOC source identification from personal and residential indoor, outdoor and workplace microenvironment samples in EXPOLIS-Helsinki, Finland
Journal: Atmospheric Environment, 35(28), 4829 – 4841
74. **Author:** Conner T.L., Norris G.A., Landis M.S., Williams R.W.
Title: Individual particle analysis of indoor, outdoor, and community samples from the 1998 Baltimore particulate matter study
Journal: Atmospheric Environment, 35(23), 3535 – 3546
75. **Author:** Chao C.Y.H.
Title: Comparison between indoor and outdoor air contaminant levels in residential buildings from passive sampler study
Journal: Building and Environment, 36(9), 999 – 1007
76. **Author:** Hers I., Zapf-Gilje R., Li L., Atwater J.
Title: The use of indoor air measurements to evaluate intrusion of subsurface VOC vapors into buildings
Journal: Journal of the Air & Waste Management Association, 51(9), 1318 – 1331
77. **Author:** Liu D.L., Nazaroff W.W.
Title: Modeling pollutant penetration across building envelopes
Journal: Atmospheric Environment, 35(26), 4451 – 4462

78. **Author:** Chowdhury-S; Brock-SL

Title: Indoor air inhalation risk assessment for volatiles emanating from light nonaqueous phase liquids

Journal: SOIL-AND-SEDIMENT-CONTAMINATION, 10(4), 387 – 403



III- EFFETS SANITAIRES

III-1. Effets chez l'animal

79. **Author:** Huttunen K., Jussila J., Hirvonen M.R., Iivanainen E., Katila M.L.
Title: Comparison of mycobacteria-induced cytotoxicity and inflammatory responses in human and mouse cell lines
Journal: Inhalation Toxicology, 13(11), 977 – 991
80. **Author:** Roponen M., Toivola M., Meklin T., Routsalainen M., Komulainen H., Nevalainen A., Hirvonen M.-R.
Title: Differences in Inflammatory Responses and Cytotoxicity in RAW264.7 Macrophages Induced by Streptomyces Anulatus Grown on Different Building Materials
Journal: Indoor Air, 11(3), 179 – 184

III-2. Effets chez l'homme

- RADON

81. **Author:** Pisa F.E., Barbone F., Betta A., Bonomi M., Alessandrini B., Bovenzi M.
Title: Residential radon and risk of lung cancer in an Italian alpine area
Journal: Archives of Environmental Health, 56(3), 208 – 215

- BIOCONTAMINANTS

82. **Author:** Apostolakos M.J., Rossmore H., Beckett W.S.
Title: Hypersensitivity pneumonitis from ordinary residential exposures
Journal: Environmental Health Perspectives, 109(9), 979 – 981
83. **Author:** Haverinen U., Husman T., Vahteristo M., Koskinen O., Moschandreas D., Nevalainen A., Pekkanen J.
Title: Comparison of Two-Level and Three-Level Classifications of Moisture-Damaged Dwellings in Relation to Health Effects
Journal: Indoor Air, 11(3), 192 – 199

- ARTICLE DE SYNTHESE

84. **Author:** Page E.H., Trout D.B.
Title: The role of Stachybotrys mycotoxins in building-related illness
Journal: American Industrial Hygiene Association Journal, 62(5), 644 – 648

- FUMEE DE TABAC ENVIRONNEMENTALE

85. **Author:** Thorn J., Brisman J., Toren K.
Title: Adult-onset asthma is associated with self-reported mold or environmental tobacco smoke exposures in the home
Journal: Allergy, 56(4), 287 – 292

- TEMPERATURE / HUMIDITE

86. **Author:** Reinikainen L.M., Jaakkola J.J.K.
Title: Effects of temperature and humidification in the office environment
Journal: Archives of Environmental Health, 56(4), 365 – 368

- **SICK BUILDING SYNDROME**

87. **Author:** Brasche S., Bullinger M., Morfeld M., Gebhardt H.J., Bishof W.
Title: Why do Women Suffer from Sick Building Syndrome more often than Men? – Subjective Higher Sensitivity versus Objective Causes
Journal: Indoor Air, 11(4), 217 – 222

88. **Author:** Kendal-Reed M., Walker J.C., Morgan W.T.
Title: Investigating Sources of Response Variability and Neural Mediation in Human Nasal Irritation
Journal: Indoor Air, 11(3), 185 – 191

- **Chauffage au bois**

89. **Author:** Kilpeläinen M., Koskenvuo M., Helenius H., Terho E.
Title: Wood stove heating, asthma and allergies
Journal: Respiratory Medicine, 95(11), 911 – 916

III-3. Populations sensibles

- **ENFANTS**

90. **Author:** Carter M.C., Perzanowski M.S., Raymond A., Platts-Mills T.A.E.
Title: Home intervention in the treatment of asthma among inner-city children
Journal: Journal of Allergy and Clinical Immunology, 108(5), 732 – 737

91. **Author:** Gehring U., Bolte G., Borte M., Bischof W., Fahlbusch B., Wichmann H.-E., Heinrich J.
Title: Exposure to endotoxin decreases the risk of atopic eczema in infancy: A cohort study
Journal: Journal of Allergy and Clinical Immunology, 108(5), 847 – 854

92. **Author:** Huang J.L., Chen C.C., Kuo M.L., Hsieh K.H.
Title: Exposure to a high concentration of mite allergen in early infancy is a risk factor for developing atopic dermatitis: A 3-year follow-up study
Journal: Pediatric Allergy and Immunology, 12(1), 11 – 16

93. **Author:** Ponsonby A.L., Dwyer T., Kemp A., Couper D., Cochrane T., Carmichael A.
Title: A prospective study of the association between home gas appliance use during infancy and subsequent dust mite sensitization and lung function in childhood
Journal: Clinical and Experimental Allergy, 31(10), 1544 – 1552

94. **Author:** Stevenson L.A., Gergen P.J., Hoover D.R., Rosenstreich D., Mannino D.M., Matte T.D.
Title: Sociodemographic correlates of indoor allergen sensitivity among United States children
Journal: Journal of Allergy and Clinical Immunology, 108(5), 747 – 752

95. **Author:** Smedje-G; Norback-D
Title: Incidence of asthma diagnosis and self-reported allergy in relation to the school environment - a four-year follow-up study in schoolchildren
Journal: INTERNATIONAL-JOURNAL-OF-TUBERCULOSIS-AND-LUNG-DISEASE, 5(11), 1059 – 1066

96. **Author:** von-Maffei-J; Beckett-WS; Belanger-K; Triche-E; Zhang-HP; Machung-JF; Leaderer-BP
Title: Risk factors for asthma prevalence among urban and nonurban African American children
Journal: JOURNAL-OF-ASTHMA, 38(7), 555 – 564

97. **Author:** Corbo G.M., Forastiere F., Agabiti N., Dell'Orco V., Pistelli R., Aebischer M.L., Valente S., Perucci C.A.
Title: Effect of gas cooking on lung function in adolescents: modifying role of sex and immunoglobulin E
Journal: Thorax, 56(7), 536 – 540

- **ARTICLE DE SYNTHÈSE**

98. **Author:** Etzel R.A.
Title: Indoor air pollutants in homes and schools
Journal: Pediatric Clinics of North America, 48(5), 1153 – 1165

- **PERSONNES AGEES**

99. **Author:** Huss K., Naumann P.L., Mason P.J., Nanda J.P., Huss R.W., Smith C.M., Hamilton R.G.

Title: Asthma severity, atopic status, allergen exposure and quality of life in elderly persons

Journal: Annals of Allergy, Asthma and Immunology, 86(5), 524 – 530



IV- EVALUATION DES RISQUES

IV-1. Expologie

- INDICATEURS BIOLOGIQUES

100. **Author:** Adgate J.L., Barr D.B., Clayton C.A., Eberly L.E., Freeman N.C.G., Lioy P.J., Needham L.L., Pellizzari E.D., Quackenboss J.J., Roy A., Sexton K.

Title: Measurement of Children's Exposure to Pesticides : Analysis of Urinary Metabolite Levels in a Probability-Based Sample

Journal: Environmental Health Perspectives, 109(6), 583 – 590

101. **Author:** Sanguinetti G., Accorsi A., Barbieri A., Raffi G.B., Violante F.S.

Title: Failure of Urinary trans-trans-Muconic Acid as a Biomarker for Indoor Environmental Benzene Exposure at PPB Levels

Journal: Journal of Toxicology and Environmental Health, Part A, 63(8), 599 – 604

- BUDGETS ESPACE – TEMPS

102. **Author:** Klepeis N.E., Nelson W.C., Ott W.R., Robinson J.P., Tsang A.M., Switzer P., Behar J.V., Hern S.C., Engelmann W.H.

Title: The National Human Activity Pattern Survey (NHAPS): a resource for assessing exposure to environmental pollutants

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IV-2. Evaluation des risques

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VI- ARTICLES GENERAUX

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----- FIN VEILLE SCIENTIFIQUE 3^{ème} et 4^{ème} trimestres 2001 -----

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